

Title (en)
Luminance signal/color signal separator circuit

Title (de)
Trennschaltung für Leuchtdichte-Farbsignale

Title (fr)
Circuit de séparation des signaux de chrominance et de luminance

Publication
EP 0613310 B1 19970409 (EN)

Application
EP 94300579 A 19940126

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JP 1101893 A 19930126

Abstract (en)
[origin: EP0613310A1] A luminance signal/color signal separator circuit having an input terminal (11) and luminance and color output terminals (18), (17) includes a comb filter (13) connected between the input terminal (11) and the color output terminal (17); an amplitude detector (16) having an input connected to the color output terminal; a filter (12),(15) having a first input connected to the input terminal (11) and a second input connected to an output of the amplitude detector (16); and a combiner (14) having an output connected to the luminance output terminal (18), a first input connected to the input terminal (11) and a second input connected to an output of the filter (12),(15). The separator circuit processes a composite signal which includes an original luminance signal and an original color signal. The filter (12),(15) passes a gain controlled color band signal. A signal at the luminance output terminal (18) includes a signal component characterized by an amplitude in a color band frequency range, and the combiner (14) outputs the signal having a signal component amplitude as (1) a first amplitude when the original color amplitude is small, and (2) a second amplitude when the original color amplitude is large, the first amplitude being greater than the second amplitude. <IMAGE>

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